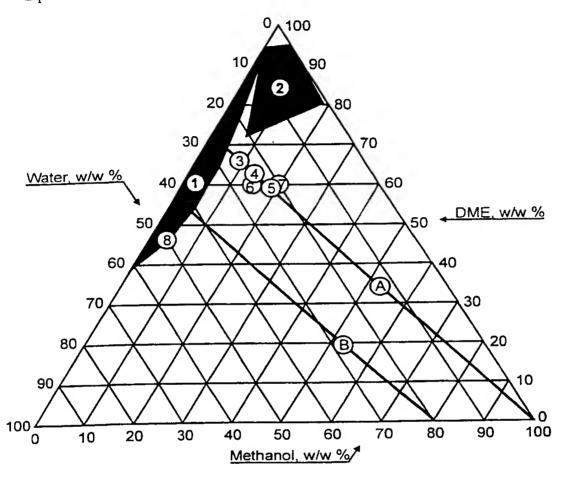
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Fig. 1

Trapeze diagram showing physical conditions for DME, methanol and water, Equilibrium conditions, tested fuel compositions and various patented areas



- (1) Two liquid phases
- 2 HTAS/Amoco Patented

On Board MeOH to DME conversion:

- (3) Equilibrium 200°C, 20 bar
- 4 Equilibrium 300°C, 20 bar
- **5** Equilibrium 400°C, 20 bar
- (6) Test Fuel #3
- 7 Test Fuel # 4
- 8 Test Fuel # 6
- A MeOH Dehydration Fuel (Dry)
- B MeOH Dehydration Fuel (Aqueous)

FIG.

Simplified Flow Sheet for Methanol to DME Fuel Processing Unit for Mobil or Stationary Diesel Engines

